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Pu-Chen Wei, Chung-Hsin Chen, Cheng-Wei Chen, Jenq-Kuen Lee

 November 2002 **Proceedings of the 2002 joint ACM-ISCOPE conference on Java Grande**

 Full text available: [pdf \(18.49 KB\)](#)

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In this paper, we investigate the issues to support Java RMI over Bluetooth environments. Our supports include several technical items. First, we develop a set of protocol stack layers written in Java for Bluetooth support, called *JavaBT*. In *JavaBT*, the HCI layer provides a uniform interface of accessing the Bluetooth hardware capabilities. The L2CAP provides connection-oriented and connection-less data services to upper layer protocols with protocol multiplexing capability, segmen ...

Keywords: Java RMI, bluetooth, graph partitioning, high-performance computing, wireless computing

2 [Platforms: Bluetooth and sensor networks: a reality check](#)



Martin Leopold, Mads Bondo Dydensborg, Philippe Bonnet

 November 2003 **Proceedings of the 1st international conference on Embedded networked sensor systems**

 Full text available: [pdf \(356.11 KB\)](#)

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The current generation of sensor nodes rely on commodity components. The choice of the radio is particularly important as it impacts not only energy consumption but also software design (e.g., network self-assembly, multihop routing and in-network processing). Bluetooth is one of the most popular commodity radios for wireless devices. As a representative of the frequency hopping spread spectrum radios, it is a natural alternative to broadcast radios in the context of sensor networks. The questio ...

Keywords: bluetooth, mac layer, network self-assembly, sensor nodes

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[Hive: Distributed Agents for Networking Things - Minar, Gray, Roup, Krikorian.. \(1999\) \(Correct\) \(38 citations\)](#)
capable as every room, appliance, and even light **socket** begins to "think. A full explication of Things are quite common and technologies such as **Bluetooth** are bringing networking to consumer devices.
nelson.www.media.mit.edu/people/nelson/research/hive-asama99/hive-asama99.ps.gz

[Project JXTA Virtual Network - Bernard Traversat Mohamed \(2002\) \(Correct\) \(9 citations\)](#)
peer name into an IP address (DNS) binding an IP **socket** to a port, or locating a service (Directory for message -based architectures such as Secure **Sockets** Layer (SSL) Transport Layer Security (TLS) and WSDL) and network protocols (such as TCP/IP or **Bluetooth**) The Project JXTA protocols have been designed
www.jxta.org/project/www/docs/JXTAprotocols_01nov02.pdf

[Minimal TCP/IP implementation with proxy support - Dunkels \(2001\) \(Correct\) \(2 citations\)](#)
functions .53 B BSD **socket** library 59 B.1 The representation of a **socket**
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time wireless networking technologies, such as **Bluetooth** [HNI 98] and IEEE 802.11b WLAN [BIG
www.sics.se/~adam/thesis.pdf

[Mobile Computing with Python - Weatherall, Scott \(2001\) \(Correct\) \(1 citation\)](#)
Python interpreter, MoPy also adds thread, **socket** and serial support for the Psion platform. The all invocations made through it to the same **socket** connection and records the sequence number of the into everyday use. Already technologies such as **Bluetooth**[2] and WAP[19] enable users to read their
www.uk.research.att.com/~jnw/papers/koala.ps.gz

[Bandwidth Usage Analysis of Service Location Protocol - Barbeau \(2000\) \(Correct\) \(1 citation\)](#)
the machine of the server and port number of the **socket** on which the server is listening. There is, Microsystems [1] Service Discovery Protocol of **Bluetooth** [2] Service Location Protocol (SLP) of IETF IETF Request for Comments: 2396, August 1998. 2] **Bluetooth**. Specification of the **bluetooth** system.
www.scs.carleton.ca/~barbeau/Publications/2000/ICPP/paper.ps

[Programmable Port Forwarding for Mobile Peers in Private .. - Tabery, Schollmeier.. \(2003\) \(Correct\)](#)
a protocol which allows a private host to open a **socket** on the gateway dynamically. 3 Peer-to-Peer for continuously using the established TCP **sockets**, we add an IP translation table that translates devices come equipped with wireless LAN or **Bluetooth**, access points are being installed in places
www.lkn.ei.tum.de/lkn/mitarbeiter/hrs/Komponenten/paper/CIIT2003_408-78_final_03.pdf

[Enhancing e-commerce security using GSM - Authentication Vorapranee.. \(Correct\)](#)
protected against eavesdropping using Secure **Socket** Layer (SSL) or Transport Layer Security (TLS) in this paper. However, Infrared, a cable, or **Bluetooth** 1 could be employed for the purpose (such a U-SIM to tell an ME to open an infrared or **bluetooth** channel. The U-SIM Application Toolkit (USAT)
www.isg.rhul.ac.uk/~cjm/eesuga2.pdf

[Application of Multiple Description Coding in 4G - Wireless Communication Systems \(Correct\)](#)
rep RTCP rep RTCP rep RTCP rep RTCP rep RTCP rep **socket socket socket socket socket socket** Fig. 5. rep RTCP rep RTCP rep RTCP rep RTCP rep **socket socket socket socket socket socket** Fig. 5. Multiple Wireless LAN, personal area networks (PANs) and **Bluetooth**. It is envisioned that the offered services
www.kom.auc.dk/~ff/documents/WWRF8bis.pdf

[Pin and Play: The Surface as Network Medium - Van Laerhoven, Villar.. \(2003\) \(Correct\)](#)
therefore obvious and worthwhile to provide a wall **socket** that gives them power and networking. However, a makes it difficult to plug them into a wall **socket**, or to supply them with a cable and connector. of wireless solutions (e.g. 802.11, PAN, and **Bluetooth**) The objective of this article is not to
www.comp.lancs.ac.uk/~kristof/research/papers/ieeecomm_2003.pdf

On-Demand TCP: Transparent peer to peer - Tcp Ip Over (2002) (Correct)

ubiquitous The IrDA stack offers a fully featured **socket** API, enabling applications to make rich use of 3.6 IrNET IrDA query Application Application **Sockets** config events traffic query Discovery Manager to using TCP/IP applications over IrDA and **Bluetooth**. First, we look into why so few applications
www.hpl.hp.com/techreports/2002/HPL-2002-5.pdf

Touch-and-Connect: A Connection Request Framework for Ad-hoc .. - And The Pervasive (2003) (Correct)

the source device Then P S head phone push **socket**-button to indicate the destination device Figure
 P S A P B P S C P S D Push plug-button on A Push **socket**-button on B Several seconds later P S A P S B P
 the computer. The spread of technologies such as **Bluetooth** and wireless Ethernet is making it possible for
www.cogma.org/member/iwasaki/tnc/tnc-percom2003.pdf

Project JXTA: A Loosely-Consistent DHT Rendezvous Walker - Bernard Traversat Mohamed (Correct)

peer name into an IP address (DNS)binding an IP **socket** to a port. In Project JXTA, all binding
 NATs, and using different transport protocols (**Bluetooth**, IrDA, TCP/IP, HTTP) to reach their final
www.jxta.org/project/www/docs/jxta-dht.pdf

P-Handoff: A protocol for fine grained - Peer-To-Peer Vertical Handoff (2002) (Correct)

The main API of IrDA is a dedicated **socket** interface (IrSock)for **Bluetooth**, it is a tagged
 (RfComm)and 802.11 uses regular TCP/IP **sockets**. Peer selection on 802.11 uses DNS name or IP
 using peer to peer wireless links, such as IrDA, **Bluetooth** and 802. 11b. We explain the concept of
www.hpl.hp.com/techreports/2002/HPL-2002-61.pdf

DAMP - Delft Altera-based Multimedia Platform - Willem Zwart Jos (Correct)

Card Interface Optional Altera Apex FPGA (**socket**) Connector to access Excalibur I/O Pins
 mounted directly on the development board. 3. DIMM **sockets** mounted directly on the development board. 4.
 to support other future interfaces, e.g.**Bluetooth** or Home RF, making DAMP an open environment. A
ce.et.tudelft.nl/publicationfiles/629_384_zwart.pdf

A Middleware for Supporting Disconnections and.. - Mobile Environments.. (Correct)

a JMS provider. It could represent an open TCP/IP **socket** between a client and a provider. Connections are
 success of the local area networks (802.11b, **bluetooth**) will undoubtedly allow the emergence of
 device changes its access network (e.g.802.11b, **Bluetooth**, GRPS)These events are handled by the
www.infres.enst.fr/~kaddour/WARE_9_Kaddour_M.ps

Information Sharing With - Handheld Appliances Jrg (Correct)

TCP/IP, but does not allow to install a TCP server **socket**. Server **sockets** are essential to react on
 not allow to install a TCP server **socket**. Server **sockets** are essential to react on incoming communication
 Upcoming communication technologies like UMTS and **Bluetooth** promise new functionality to support people to
dreamteam.femuni-hagen.de/paper/ehci01.pdf

An Efficient Simulation Environment for the Design of.. - Yongjin Ahny Daehong (2002) (Correct)

Model) ISS Host 0 Host 1 HW Simulator ISS Host 2 **Socket Socket** Sim. Backplane Figure 2. Case 1. method,
 ISS Host 0 Host 1 HW Simulator ISS Host 2 **Socket Socket** Sim. Backplane Figure 2. Case 1. method, after
 Environment for the Design of Networked **Bluetooth** Devices Yongjin Ahny Daehong Kimz Sunghyun Leey
poppy.snu.ac.kr/papers/DATE2002_yongjin.pdf

Bringing Flexibility into Ubiquitous Personal Networks - Moo Ryong Jeong (2001) (Correct)

Session Manager Interface Manager SL **socket SL socket socket socket** network interface
 Session Manager Interface Manager SL **socket SL socket socket socket** network interface network
 that use common network interfaces such as **Bluetooth** and Wireless LAN. Then, these devices can be
www.mlab.t.u-tokyo.ac.jp/publications/.2001/jeong_jeice01s.pdf

Enhancing e-commerce security using GSM authentication - Khu-smith, Mitchell (2002) (Correct)

protected against eavesdropping using Secure **Socket** Layer (SSL) or Transport Layer Security (TLS)
 in this paper. However, Infrared, a cable, or **Bluetooth** 1 could be employed for 1
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